Algebra (divisibility)

**Number Theory**

**Complete.**

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| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1. | Circle all of the numbers that are divisible by 7.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 80 | 74 | 63 | 2 | 76 | 17 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 6 | 28 | 7 | 70 | 16 | 58 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 2. | Circle all of the numbers that are divisible by 9.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 599 | 18 | 72 | 51 | 36 | 96 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 689 | 54 | 83 | 57 | 39 | 745 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 3. | Circle all of the numbers that are divisible by 3.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 9 | 84 | 81 | 15 | 30 | 93 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 75 | 142 | 20 | 41 | 40 | 954 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 4. | Circle all of the numbers that are divisible by 8.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 86 | 25 | 72 | 40 | 10 | 61 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 91 | 8 | 16 | 46 | 79 | 56 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 5. | Circle all of the numbers that are divisible by 4.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 38 | 92 | 45 | 22 | 24 | 15 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 43 | 20 | 60 | 32 | 42 | 55 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 6. | Circle all of the numbers that are divisible by 2.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 4 | 12 | 13 | 5 | 885 | 6 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 29 | 87 | 234 | 88 | 321 | 18 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 7. | Circle all of the numbers that are divisible by 5.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 82 | 216 | 47 | 740 | 54 | 94 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 163 | 50 | 10 | 85 | 20 | 78 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 8. | Circle all of the numbers that are divisible by 10.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 59 | 21 | 77 | 80 | 48 | 26 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 36 | 682 | 969 | 30 | 23 | 62 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 9. | Circle all of the numbers that are divisible by 6.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 63 | 35 | 68 | 37 | 32 | 14 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 30 | 36 | 33 | 6 | 19 | 24 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 10. | Circle all of the numbers that are divisible by 8.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 3 | 56 | 12 | 99 | 72 | 11 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 98 | 52 | 90 | 71 | 65 | 69 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 11. | Circle all of the numbers that are divisible by 7.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 49 | 9 | 35 | 14 | 63 | 18 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 64 | 53 | 89 | 31 | 28 | 66 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 12. | Circle all of the numbers that are divisible by 4.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 73 | 68 | 95 | 44 | 4 | 97 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 67 | 12 | 34 | 27 | 65 | 24 | | |

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| **Answer Key 0552444** |

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| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1. | Circle all of the numbers that are divisible by 7.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 80 | 74 | **63** | 2 | 76 | 17 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 6 | **28** | **7** | **70** | 16 | 58 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 2. | Circle all of the numbers that are divisible by 9.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 599 | **18** | **72** | 51 | **36** | 96 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 689 | **54** | 83 | 57 | 39 | 745 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 3. | Circle all of the numbers that are divisible by 3.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **9** | **84** | **81** | **15** | **30** | **93** |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **75** | 142 | 20 | 41 | 40 | **954** | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 4. | Circle all of the numbers that are divisible by 8.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 86 | 25 | **72** | **40** | 10 | 61 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 91 | **8** | **16** | 46 | 79 | **56** | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 5. | Circle all of the numbers that are divisible by 4.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 38 | **92** | 45 | 22 | **24** | 15 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 43 | **20** | **60** | **32** | 42 | 55 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 6. | Circle all of the numbers that are divisible by 2.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **4** | **12** | 13 | 5 | 885 | **6** |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 29 | 87 | **234** | **88** | 321 | **18** | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 7. | Circle all of the numbers that are divisible by 5.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 82 | 216 | 47 | **740** | 54 | 94 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 163 | **50** | **10** | **85** | **20** | 78 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 8. | Circle all of the numbers that are divisible by 10.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 59 | 21 | 77 | **80** | 48 | 26 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 36 | 682 | 969 | **30** | 23 | 62 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 9. | Circle all of the numbers that are divisible by 6.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 63 | 35 | 68 | 37 | 32 | 14 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **30** | **36** | 33 | **6** | 19 | **24** | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 10. | Circle all of the numbers that are divisible by 8.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 3 | **56** | 12 | 99 | **72** | 11 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 98 | 52 | 90 | 71 | 65 | 69 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 11. | Circle all of the numbers that are divisible by 7.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **49** | 9 | **35** | **14** | **63** | 18 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 64 | 53 | 89 | 31 | **28** | 66 | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 12. | Circle all of the numbers that are divisible by 4.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 73 | **68** | 95 | **44** | **4** | 97 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 67 | **12** | 34 | 27 | 65 | **24** | | |